

MAS TEM ANALYSIS

M40816 - 005

Client Name: Dies and Hile, LLP

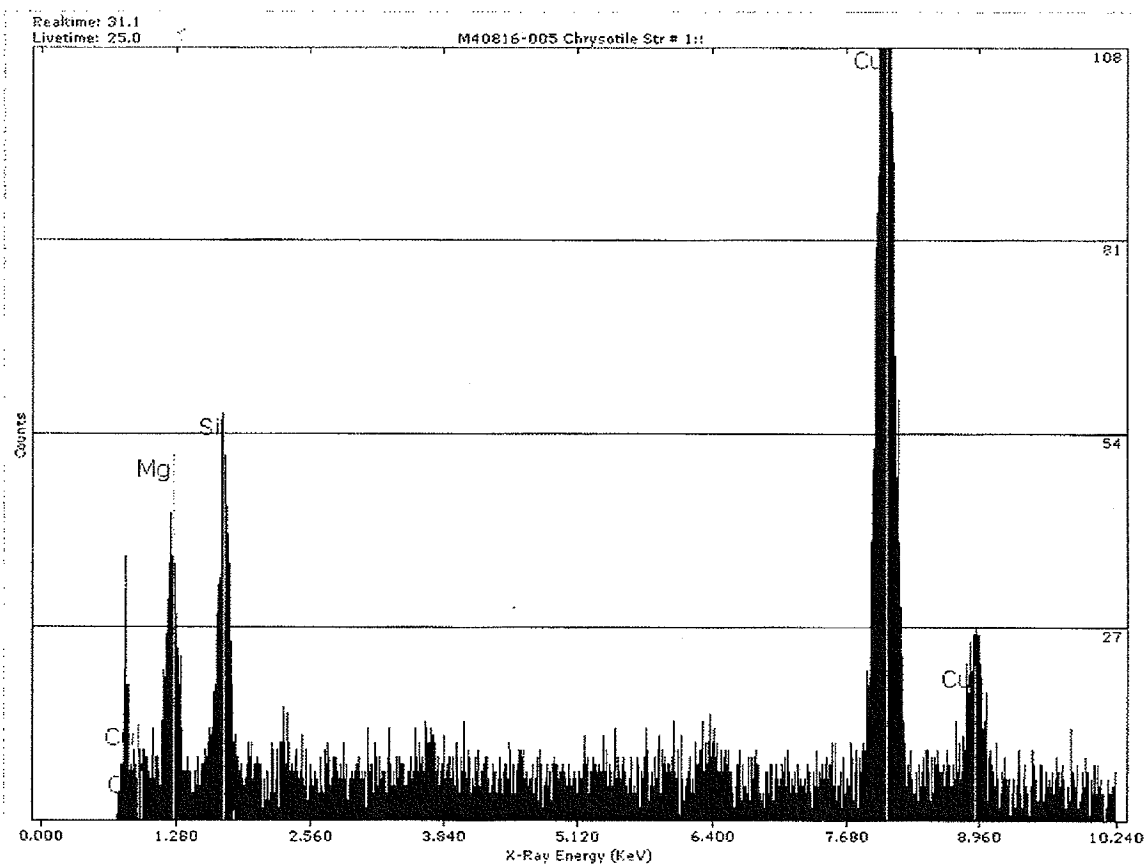
Client Sample ID: 5

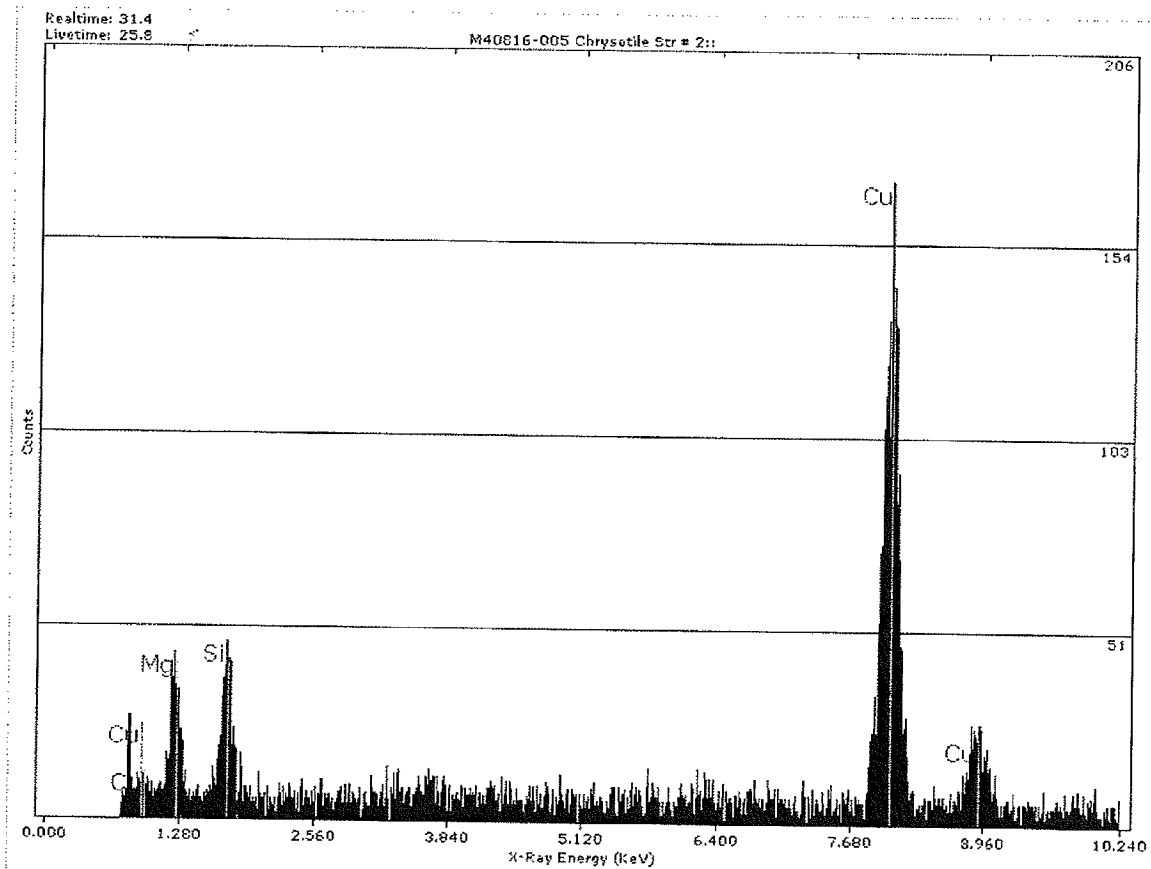
Sample Area/ Volume:	6	Liters	Date Analyzed:	10/19/2006
Filter Type:	MCE 25mm		Analyst:	Kevin Simpson
Pore size:	0.8		Scope Number:	3
Effective Filter Area:	385		Accelerating Voltage:	100 KV
Sample type:	Air		Indicated Mag:	25 KX
Analysis type:	AHERA Style		Screen Mag:	20 KX
Grid Acceptance:	Yes	3 %	Grid_box:	7194, 7195
Grid Status:	Analyzed			

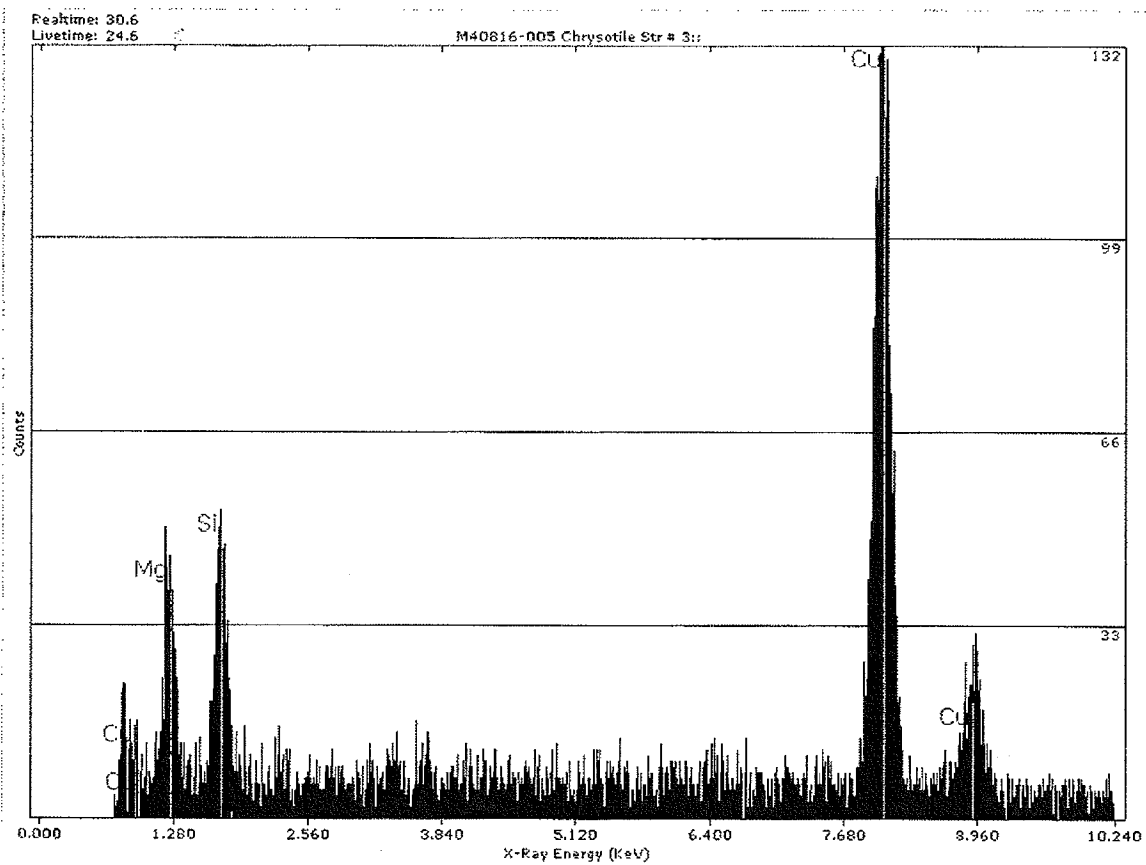
Str 0.5 < 5:	25	Number of grids:	2	#1: 103	#3: 104
Str ≥ 5:	2	Number of openings:	10	#2: 102	#4: 101
Total str:	27				
Str_cc>5:	1.2216	/cc	Average Grid Size:	0.010505	Total Area Analyzed:
Str_mm>5:	19.0	/mm2			0.105
Chrysotile:	16.4921	/cc	Detect mm:	9.5	Detect_cc:
Amphibole:	0.0000	/cc	Total mm2:	257.0	Total cc:
					16.4921

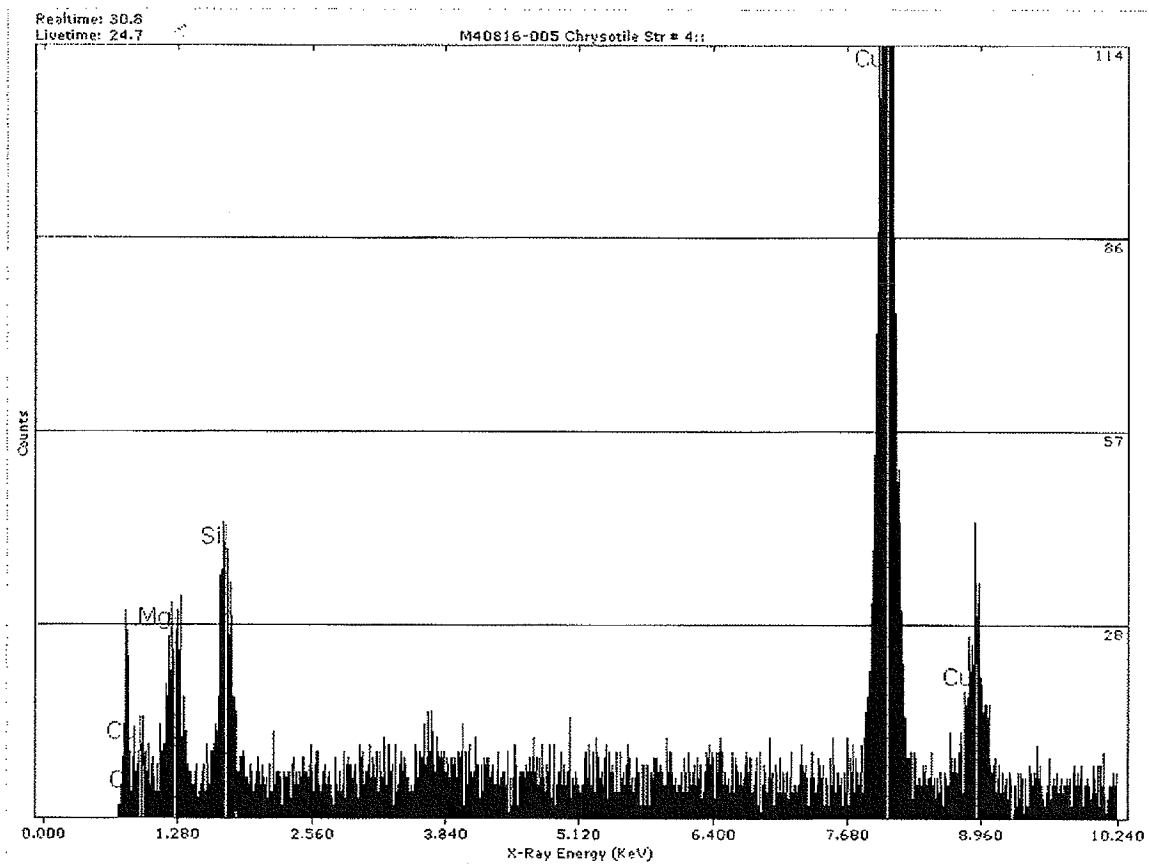
Str#:	SquareID:	Type:	Structure:	Length	<5	Width	>=5	Morph:	SAED:	EDS:	Photo:	Sketch:
1	A4-C3	C	F	0.6	X	0.1		Chrysotile	Chrysotile	✓		
2	B3	C	F	0.6	X	0.1		Chrysotile	Chrysotile	✓		
3		C	F	3	X	0.1		Chrysotile	M36353	✓		
4		C	F	6		0.1	X	Chrysotile	Chrysotile	✓		
5		C	F	1	X	0.1		Chrysotile	Chrysotile	✓		
6		C	M-F	1.5	X	0.1		Chrysotile	Chrysotile	✓		
7		C	F	2.5	X	0.1		Chrysotile	Chrysotile	✓		
8	A3	C	F	1	X	0.1		Chrysotile	Chrysotile	✓		
9		C	F	1	X	0.1		Chrysotile	Chrysotile	✓		
10		C	F	0.7	X	0.1		Chrysotile	Chrysotile	✓		
11	C5	C	F	3	X	0.1		Chrysotile				
12		C	F	2.4	X	0.1		Chrysotile				
13		C	B	1	X	0.2		Chrysotile				
14		C	F	0.8	X	0.1		Chrysotile				
15		C	F	2	X	0.1		Chrysotile				
16		C	F	2.2	X	0.1		Chrysotile				
17		C	M-F	0.7	X	0.1		Chrysotile				
18		C	F	1	X	0.1		Chrysotile				
19	B5	C	F	2	X	0.1		Chrysotile				
20	A5-F2	C	F	0.7	X	0.1		Chrysotile	Chrysotile	✓		
21		C	F	1.2	X	0.1		Chrysotile				
22	F3	C	F	2.4	X	0.1		Chrysotile				
23		C	M-F	2	X	0.1		Chrysotile				
24	F4	C	F	1.1	X	0.1		Chrysotile				

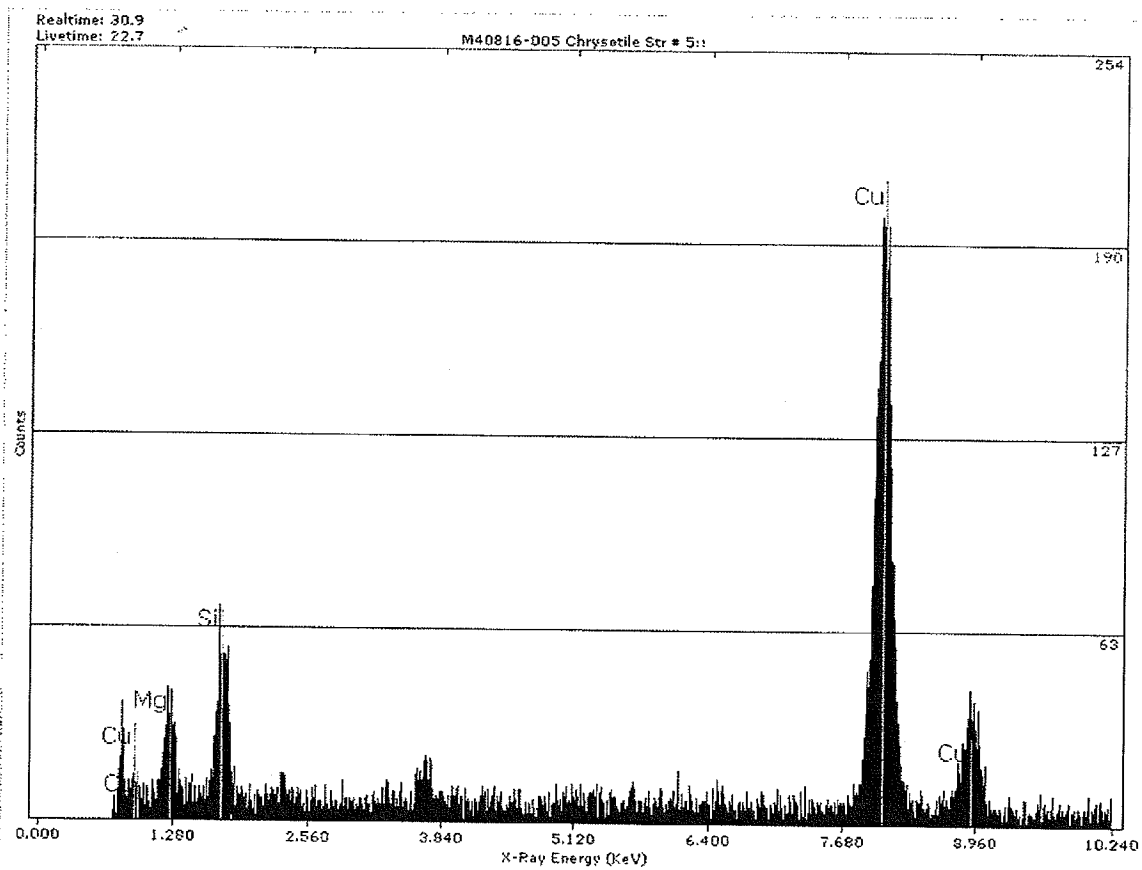
Trial II personnel RH left shoulder

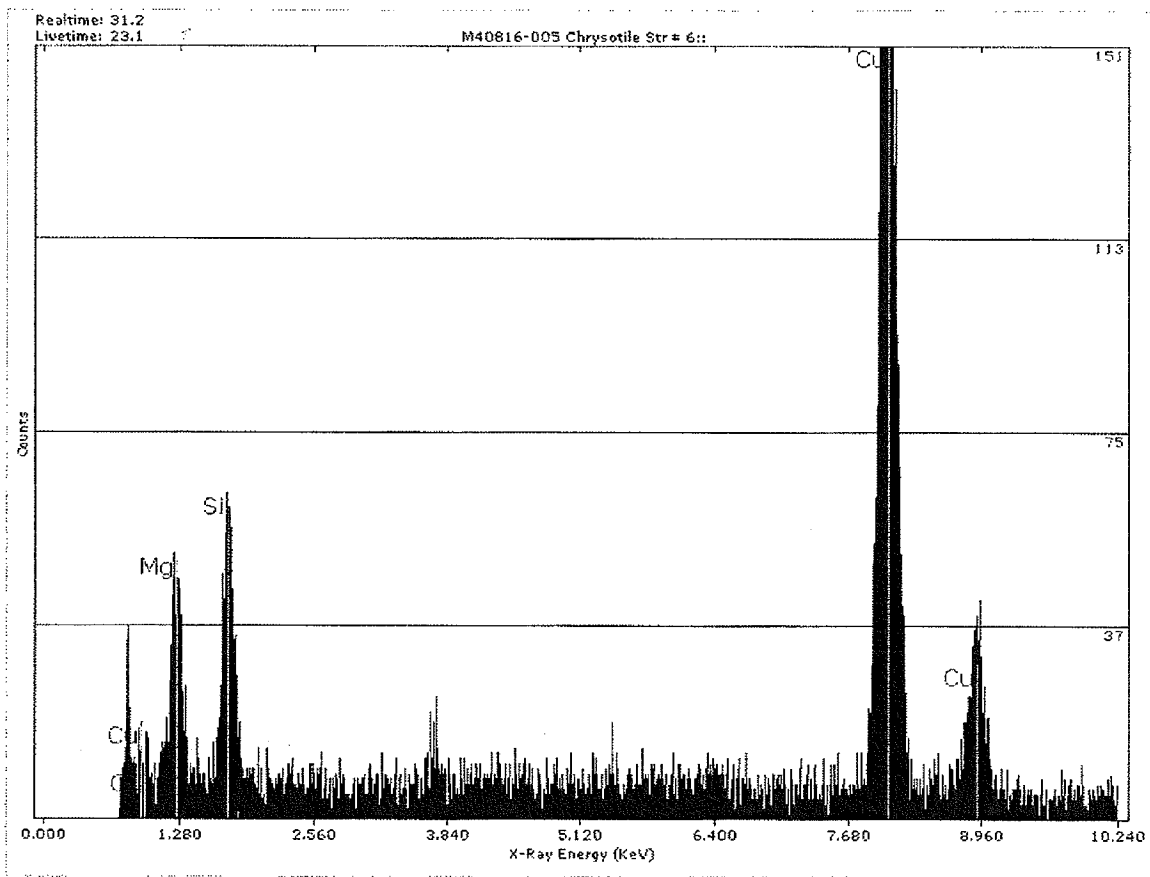


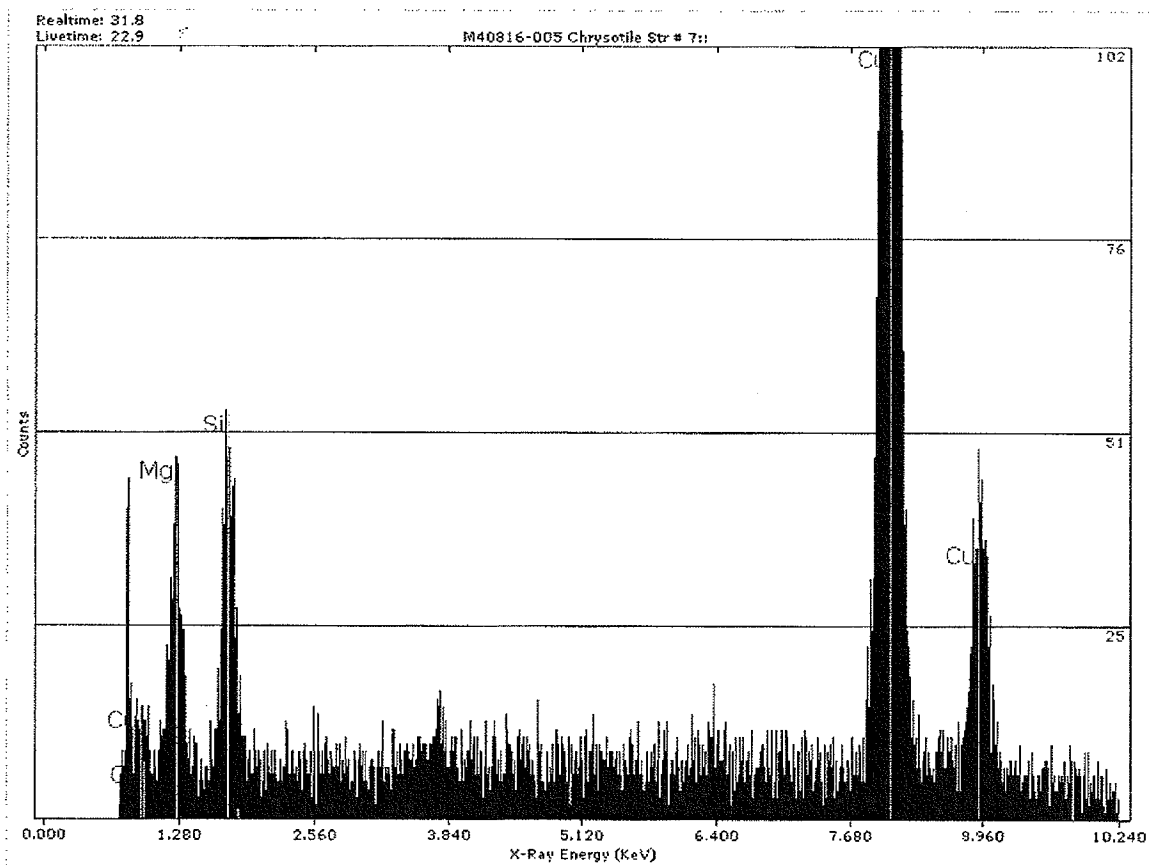


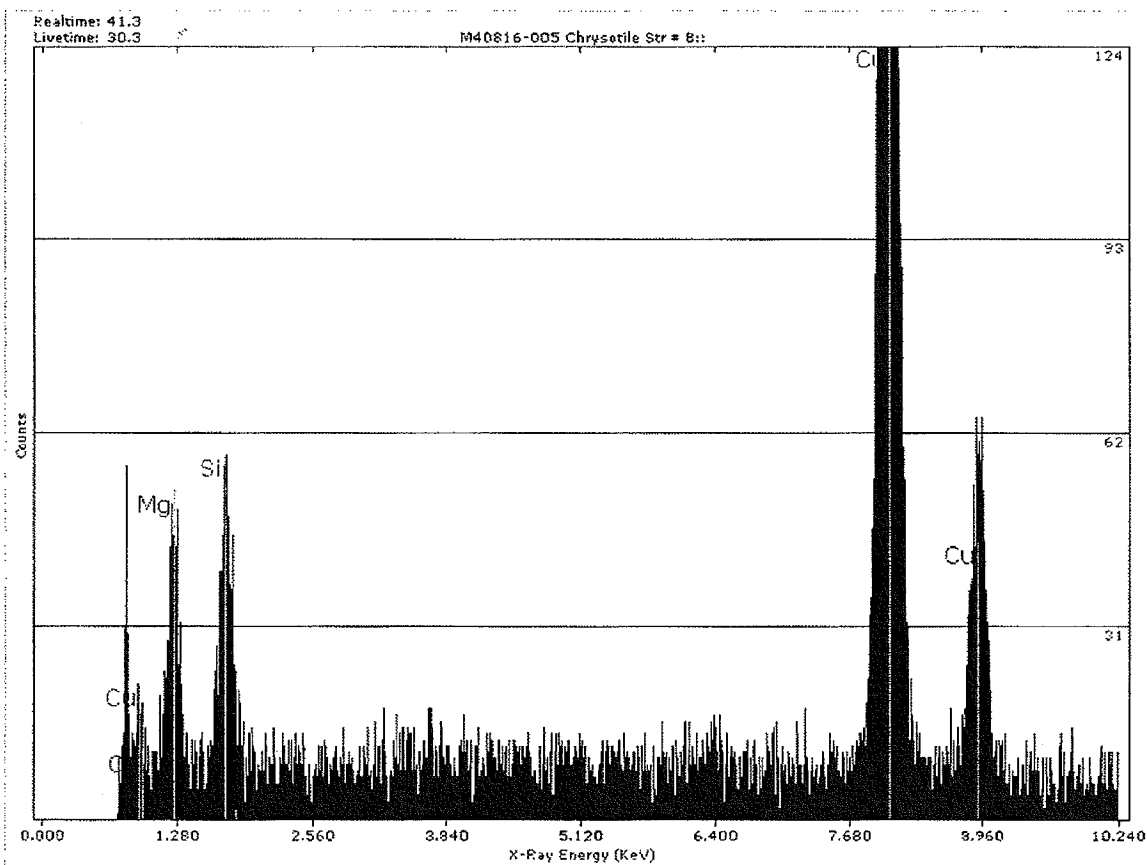


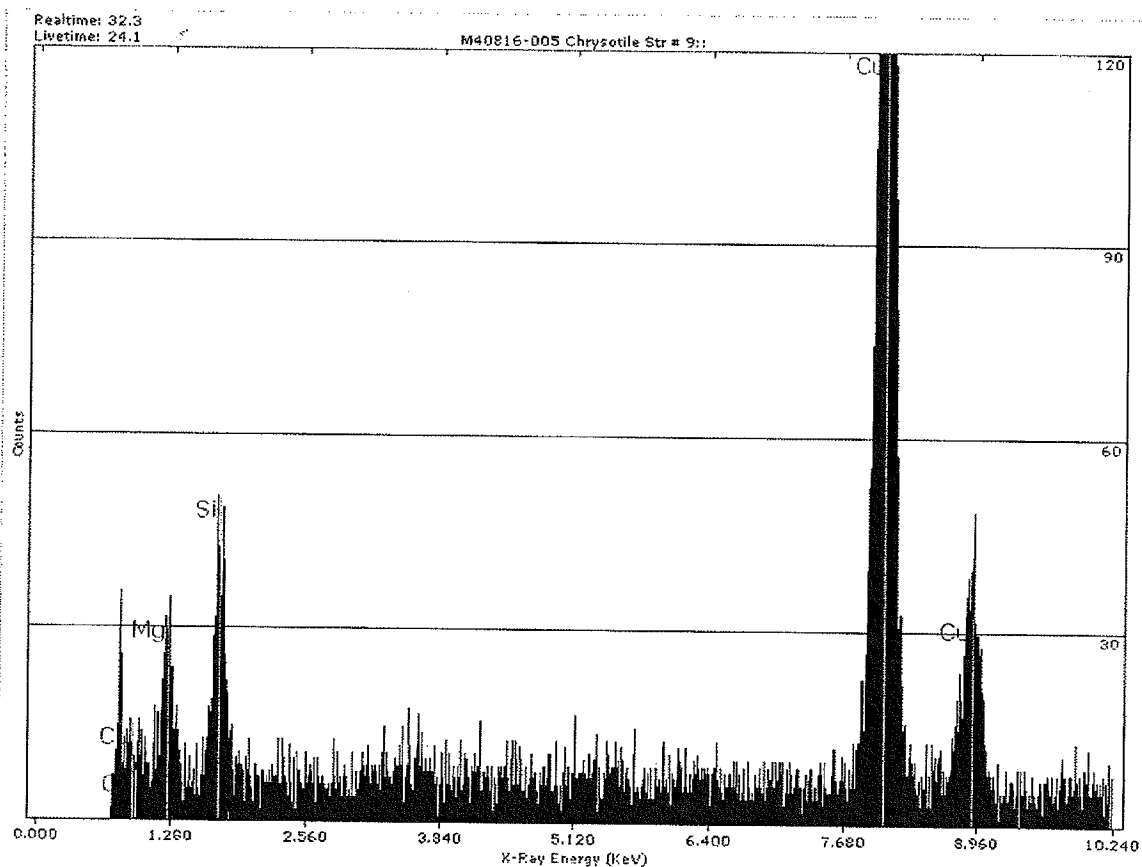


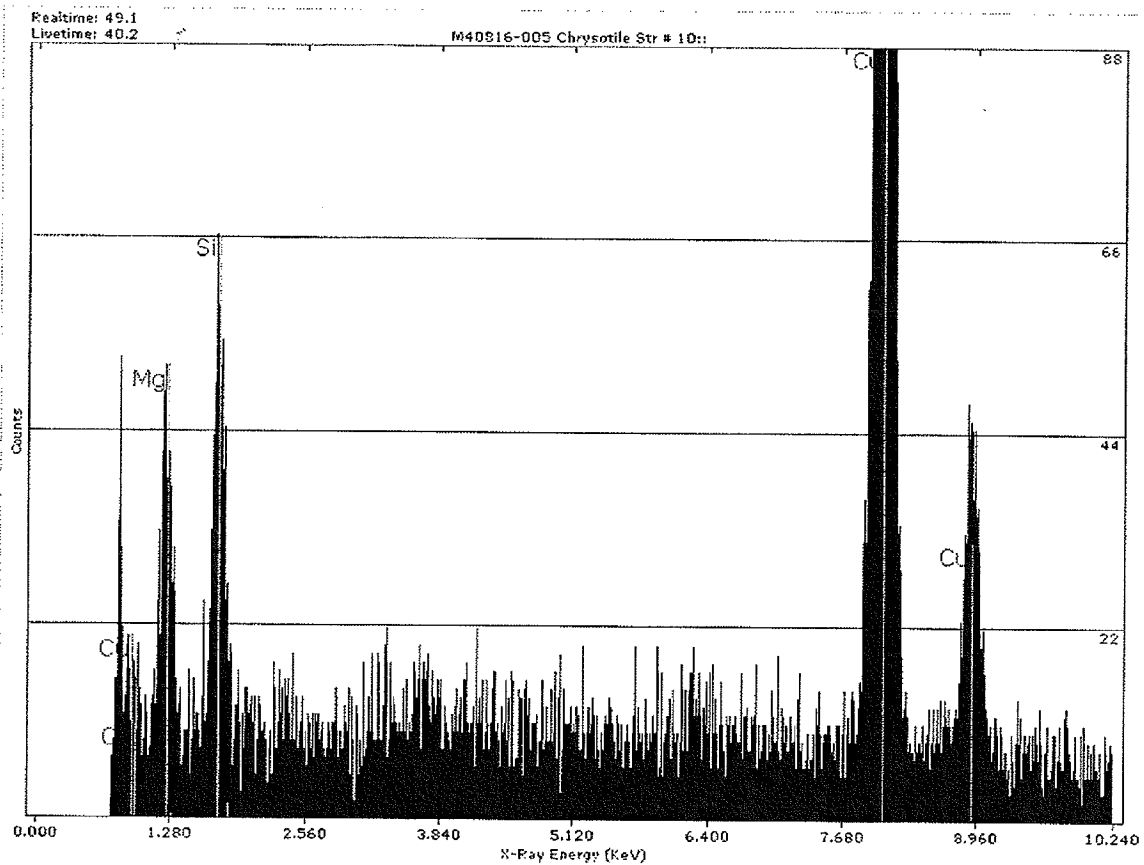


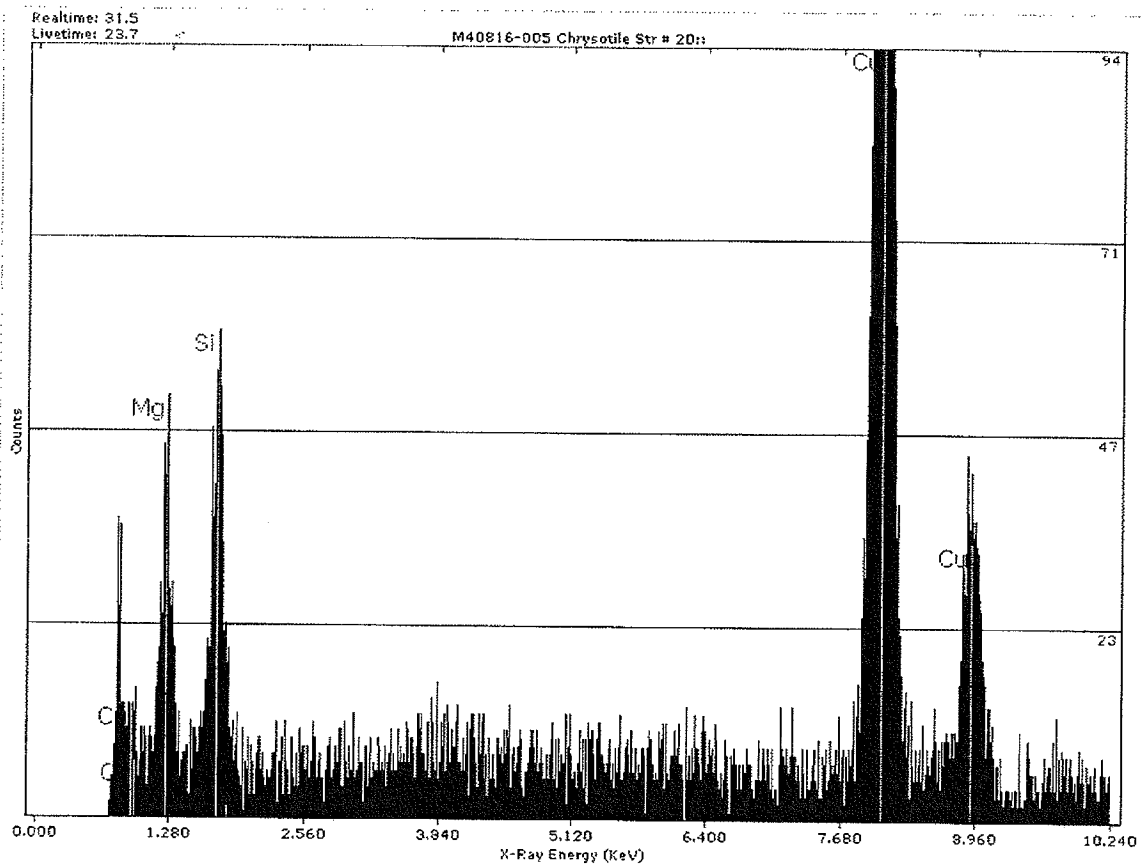












MAS TEM ANALYSIS

M40816 - 006

Client Name: Dies and Hile, LLP			Client Sample ID: 6		
Sample Area/ Volume:	10	Liters	Date Analyzed:	10/19/2006	
Filter Type:	MCE 25mm		Analyst:	Kevin Simpson	
Pore size:	0.8		Scope Number:	3	
Effective Filter Area:	385		Accelerating Voltage:	100	KV
Sample type:	Air		Indicated Mag:	25	KX
Analysis type:	AHERA Style		Screen Mag:	20	KX
Grid Acceptance	Yes	4 %	Grid_box:	7194, 7195	
Grid Status	Analyzed				

Str 0.5 < 5:	29	Number of grids:	2	#1: 103	#3: 104
Str ≥ 5:	5	Number of openings:	10	#2: 102	#4: 105
Total str:	34	Average Grid Size:	0.010713	Total Area Analyzed:	0.107
Str_cc>5:	1.7969	/cc			
Str_mm>5:	46.7	/mm2			
Chrysotile:	12.2188	Detect mm:	9.3	Detect_cc:	0.3594
Amphibole:	0.0000	Total mm2:	317.4	Total cc:	12.2188
	/cc				

Str#:	SquareID:	Type:	Structure:	Length	<5	Width	>=5	Morph:	SAED:	EDS:	Photo:	Sketch:
1	E2-D10	C	F	1.5	X	0.1		Chrysotile	Chrysotile	✓		
2		C	M-F	1	X	0.1		Chrysotile	M36354	✓		
3	D9	C	F	7.5		0.1	X	M36355	Chrysotile	✓		
4		C	B	1	X	0.2		Chrysotile	Chrysotile	✓		
5		C	F	0.5	X	0.1		Chrysotile	Chrysotile	✓		
6		C	F	6		0.1	X	Chrysotile	Chrysotile	✓		
7		C	B	1	X	0.2		Chrysotile	Chrysotile	✓		
	D8		NSD									
8	D7	C	B	3	X	0.2		Chrysotile	Chrysotile	✓		
9		C	F	1	X	0.1		Chrysotile	Chrysotile	✓		
10		C	F	0.8	X	0.1		Chrysotile	Chrysotile	✓		
11		C	F	2	X	0.1		Chrysotile				
12		C	F	1	X	0.1		Chrysotile				
	F7		NSD									
13	D2-C9	C	F	1	X	0.1		M36356				
14		C	B	0.8	X	0.17		Chrysotile				
15		C	F	2	X	0.1		Chrysotile				
16	C7	C	F	0.5	X	0.1		Chrysotile				
17		C	F	2	X	0.1		Chrysotile				
18	C5	C	F	2	X	0.1		Chrysotile				
19		C	F	2	X	0.1		Chrysotile				
20		C	F	1.7	X	0.1		Chrysotile				
21		C	F	3.7	X	0.1		Chrysotile				
22		C	F	1.2	X	0.1		Chrysotile				

MAS TEM ANALYSIS

M40816 - 006

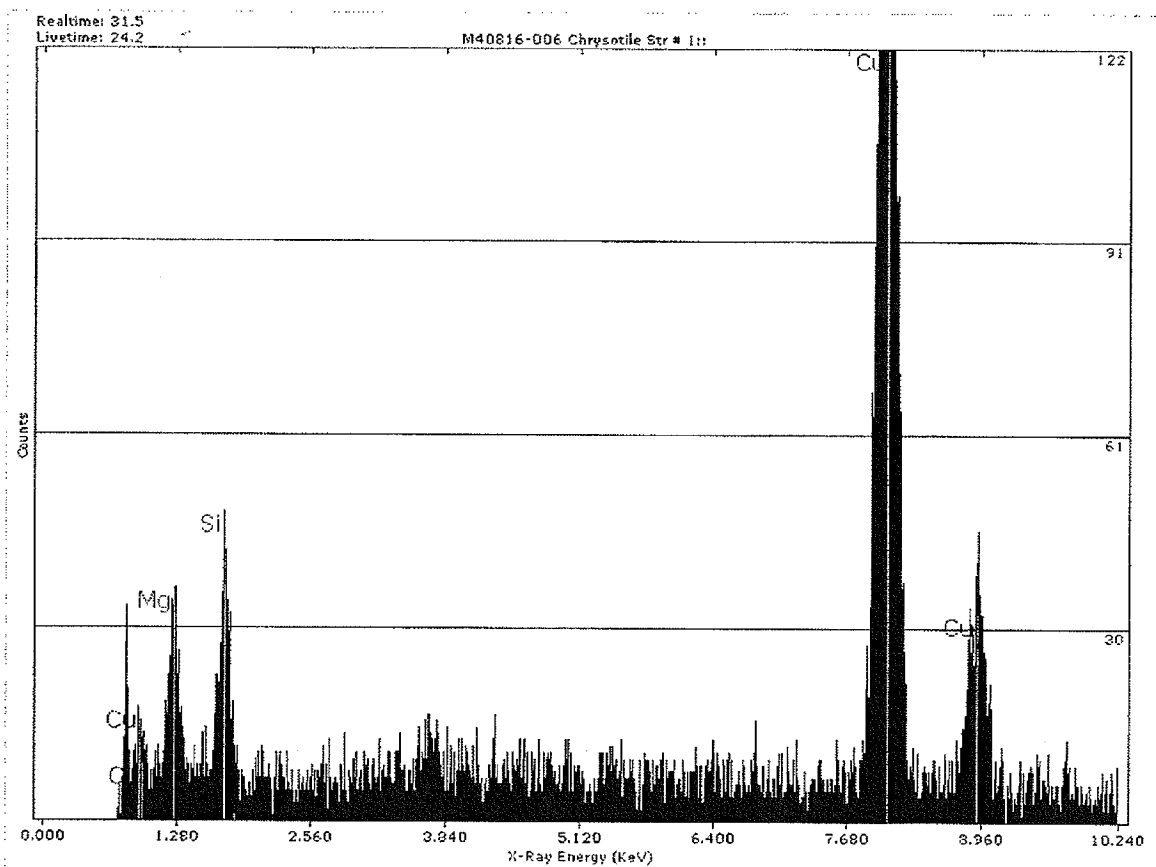
Client Name: Dies and Hile, LLP

Client Sample ID: 6

23	C	B	1	X	0.15	Chrysotile		
24	C	F	1	X	0.1	Chrysotile		
25	C3	C	B	7	0.4	X	Chrysotile	
26	C	C-F	8	1	X	Chrysotile		
27	C	F	2	X	0.1	Chrysotile		
28	C	F	1	X	0.1	Chrysotile		
29	C	F	1	X	0.1	Chrysotile		
30	C	B	13	1	X	Chrysotile	Chrysotile	✓
31	C	F	0.9	X	0.1	Chrysotile		
32	C	M-F	0.5	X	0.1	Chrysotile		
33	C1	C	M-B	1	X	0.2	Chrysotile	
34	C	B	1	X	0.2	Chrysotile		

M40816 006 Sample Comments:

Trial II personnel RH right shoulder



Hospital Administration Building

Arkansas State Hospital (ASH)

TEM DUST ANALYSIS M40543 002**Dies and Hile, LLP
Settled Dust Samples**

Client Sample ID: ASHAdmin1

Sample Area/ Volume: 100 cm2

Filter Type: MCE 47mm

Pore size: 0.45

Effective Filter Area: 1297

Sample type: Dust

Analysis type: Dust

Grid Acceptance YES 10 %

Date Analyzed: 10/3/2006

Analyst: MAM

Scope Number: 4

Accelerating Voltage: 100 KV

Indicated Mag: 25 KX

Screen Mag: 20 KX

Grid_box: 7184, 7169, 7181, 7185

Str < 5um: 39
Str ≥ 5um: 14
Total Str: 53

Number of grids: 2

#1: 102

#3: 101

Average Grid Size: 0.010252

Number of openings: 10

#2: 102

#4: 100

Total Area Analyzed: 0.103

Volume Filtered 2 ml

Dilution Factor 50

Str / sq ft 3.115E+08

Str / cm2 3.353E+05

Str / sq ft ≥ 5 8.227E+07

Str / cm2 ≥ 5 8.856E+04

Str#:	SquareID:	Type:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:
1	D10-D5	C	F	1.00	0.05	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2		C	M-F	4.00	0.10	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3		C	F	6.00	0.01	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4		C	B	2.20	0.30	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5		C	F	1.70	0.10	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6		C	F	1.20	0.10	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	C3	C	F	2.20	0.20	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8		C	F	5.70	0.10	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	B5	C	F	1.50	0.10	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10		C	F	8.00	0.10	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11		C	F	1.00	0.10	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12		C	F	2.00	0.10	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13		C	F	0.90	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

C - Chrysotile

TR - Tremolite

CR - Crocidolite

AN - Anthophyllite

AC - Actinolite

NSD - No Structure Detected

F - Fiber

B - Bundle

M - Matrix

C - Cluster

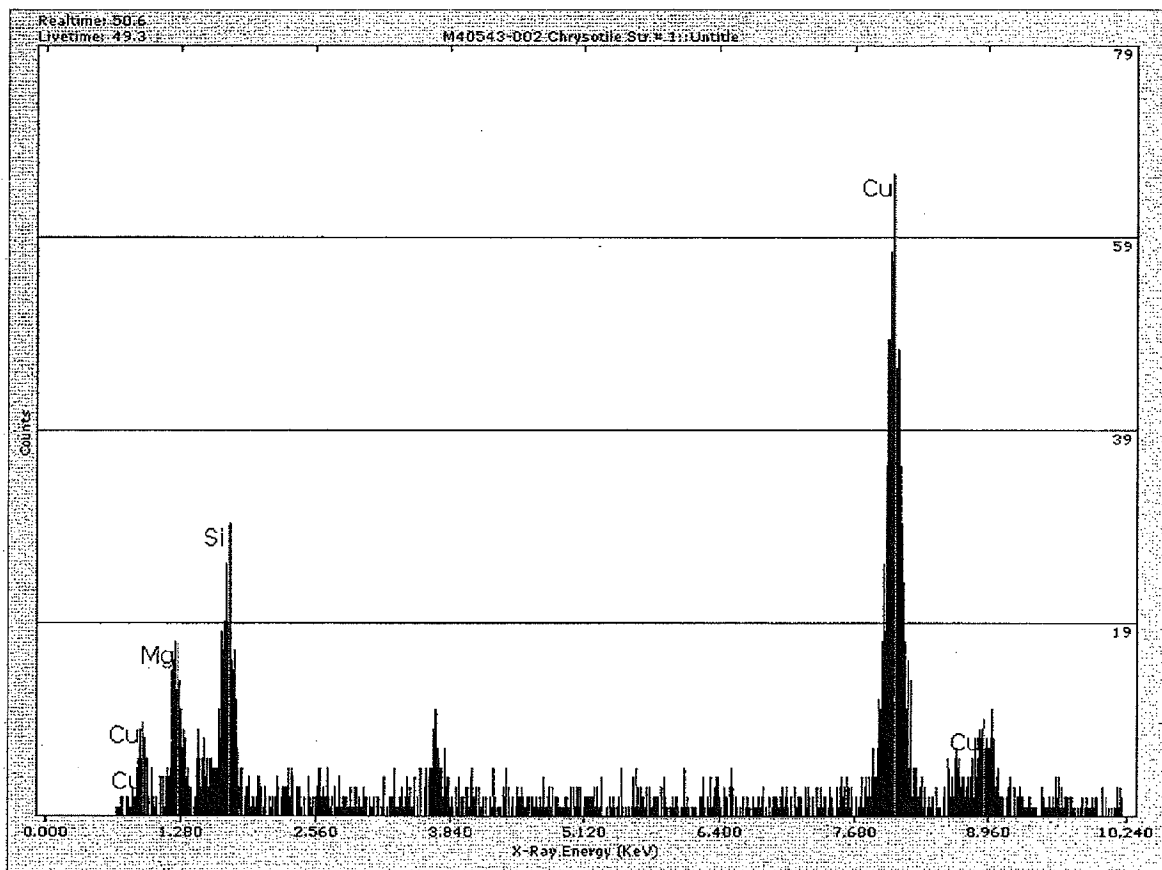
Str#:	SquareID:	Type:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:
14	H3	C	F	3.30	0.05	X			<input type="checkbox"/>	<input type="checkbox"/>
15		C	F	1.30	0.10	X			<input type="checkbox"/>	<input type="checkbox"/>
16		C	F	0.60	0.10	X			<input type="checkbox"/>	<input type="checkbox"/>
17		C	M-F	1.50	0.10	X			<input type="checkbox"/>	<input type="checkbox"/>
18	D1	C	F	1.70	0.05	X			<input type="checkbox"/>	<input type="checkbox"/>
19		C	F	2.00	0.20	X			<input type="checkbox"/>	<input type="checkbox"/>
20		C	M-F	0.60	0.05	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21		C	F	2.00	0.10	X			<input type="checkbox"/>	<input type="checkbox"/>
22		C	F	7.30	0.10	X			<input type="checkbox"/>	<input type="checkbox"/>
23		C	B	14.00	0.30	X			<input type="checkbox"/>	<input type="checkbox"/>
24	D9-G9	C	M-F	3.60	0.05	X			<input type="checkbox"/>	<input type="checkbox"/>
25		C	M-F	0.90	0.10	X			<input type="checkbox"/>	<input type="checkbox"/>
26		C	M-F	0.70	0.10	X			<input type="checkbox"/>	<input type="checkbox"/>
27		C	M-F	0.80	0.10	X			<input type="checkbox"/>	<input type="checkbox"/>
28		C	F	10.00	0.10	X			<input type="checkbox"/>	<input type="checkbox"/>
29		C	M-F	0.90	0.10	X			<input type="checkbox"/>	<input type="checkbox"/>
30	F7	C	M-F	8.00	0.20	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
31		C	M-F	0.70	0.10	X			<input type="checkbox"/>	<input type="checkbox"/>
32		C	F	0.70	0.10	X			<input type="checkbox"/>	<input type="checkbox"/>
33		C	F	3.00	0.10	X			<input type="checkbox"/>	<input type="checkbox"/>
34		C	F	2.00	0.05	X			<input type="checkbox"/>	<input type="checkbox"/>
35		C	F	1.00	0.05	X			<input type="checkbox"/>	<input type="checkbox"/>

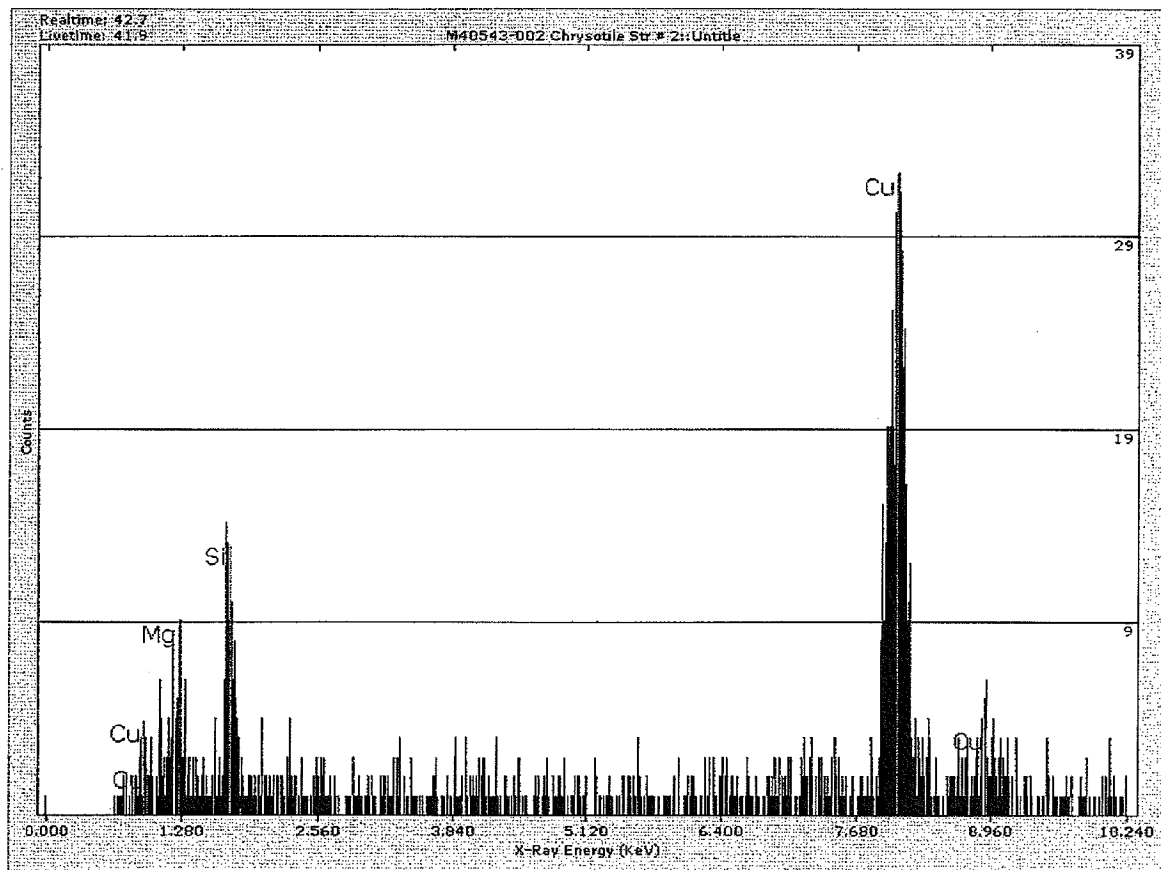
C - Chrysotile NSD - No Structure Detected
 TR - Tremolite F - Fiber
 CR - Crocidolite B - Bundle
 AN - Anthophyllite M - Matrix
 AC - Actinolite C - Cluster

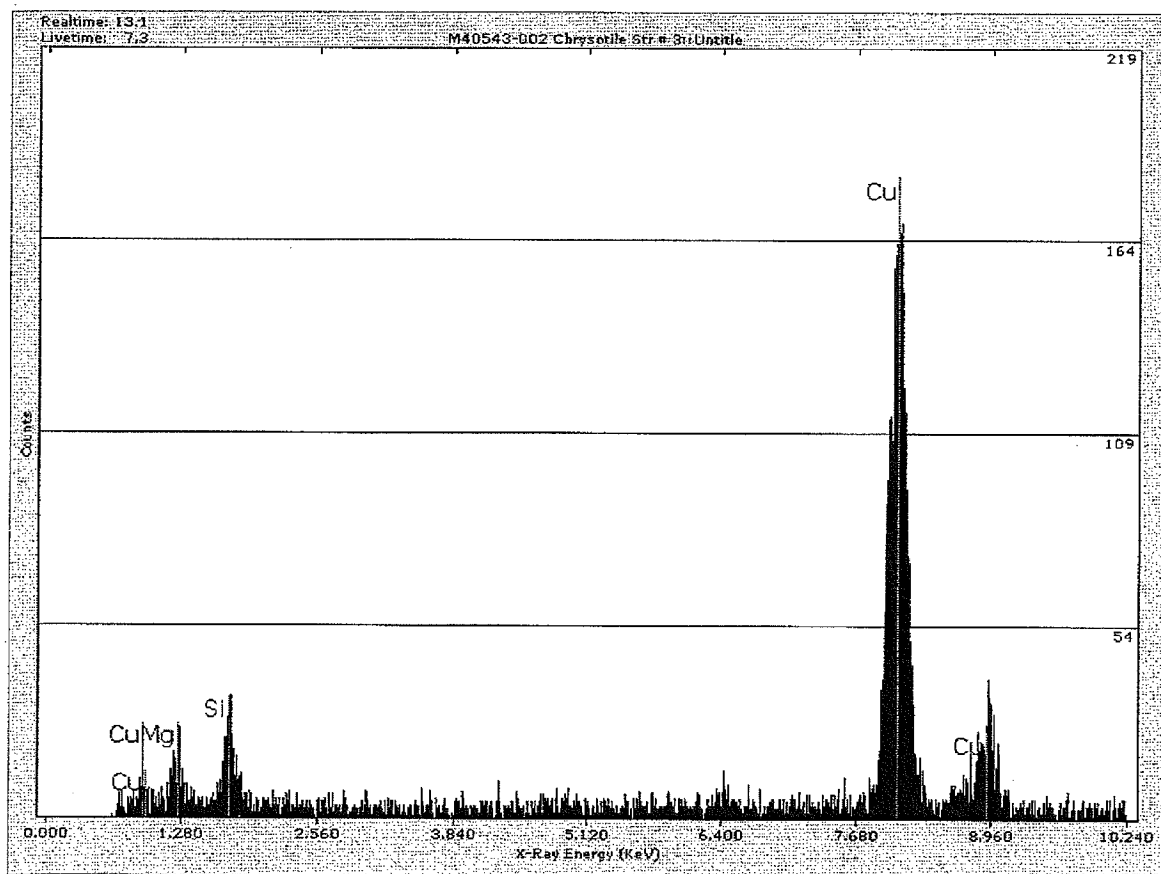
Str#:	SquareID:	Type:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:
36		C	F	1.70	0.10	X			<input type="checkbox"/>	<input type="checkbox"/>
37		C	F	6.00	0.05	X			<input type="checkbox"/>	<input type="checkbox"/>
38		C	F	14.00	0.10	X			<input type="checkbox"/>	<input type="checkbox"/>
39	F4	C	F	1.80	0.10	X			<input type="checkbox"/>	<input type="checkbox"/>
40		C	F	3.40	0.10	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
41		C	F	0.60	0.10	X			<input type="checkbox"/>	<input type="checkbox"/>
42		C	F	3.00	0.10	X			<input type="checkbox"/>	<input type="checkbox"/>
43		C	F	3.20	0.10	X			<input type="checkbox"/>	<input type="checkbox"/>
44	G3	C	F	7.00	0.10	X			<input type="checkbox"/>	<input type="checkbox"/>
45		C	F	6.00	0.20	X			<input type="checkbox"/>	<input type="checkbox"/>
46		C	F	1.00	0.10	X			<input type="checkbox"/>	<input type="checkbox"/>
47		C	F	5.50	0.10	X			<input type="checkbox"/>	<input type="checkbox"/>
48		C	C-B	16.00	1.00	X			<input type="checkbox"/>	<input type="checkbox"/>
49		C	F	3.60	0.10	X			<input type="checkbox"/>	<input type="checkbox"/>
50	H8	C	F	1.20	0.10	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
51		C	F	1.70	0.10	X			<input type="checkbox"/>	<input type="checkbox"/>
52		C	M-F	2.00	0.10	X			<input type="checkbox"/>	<input type="checkbox"/>
53		C	M-F	19.00	0.20	X			<input type="checkbox"/>	<input type="checkbox"/>

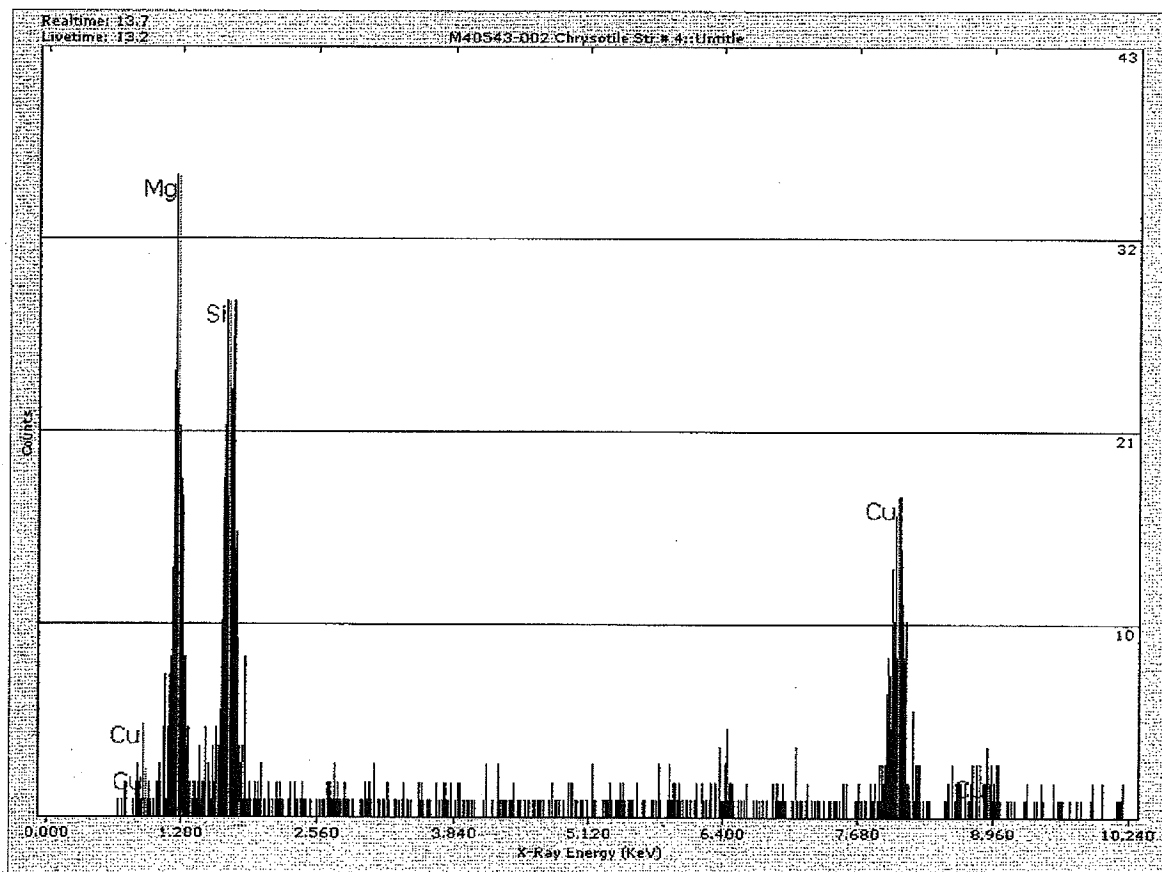
M40543 002

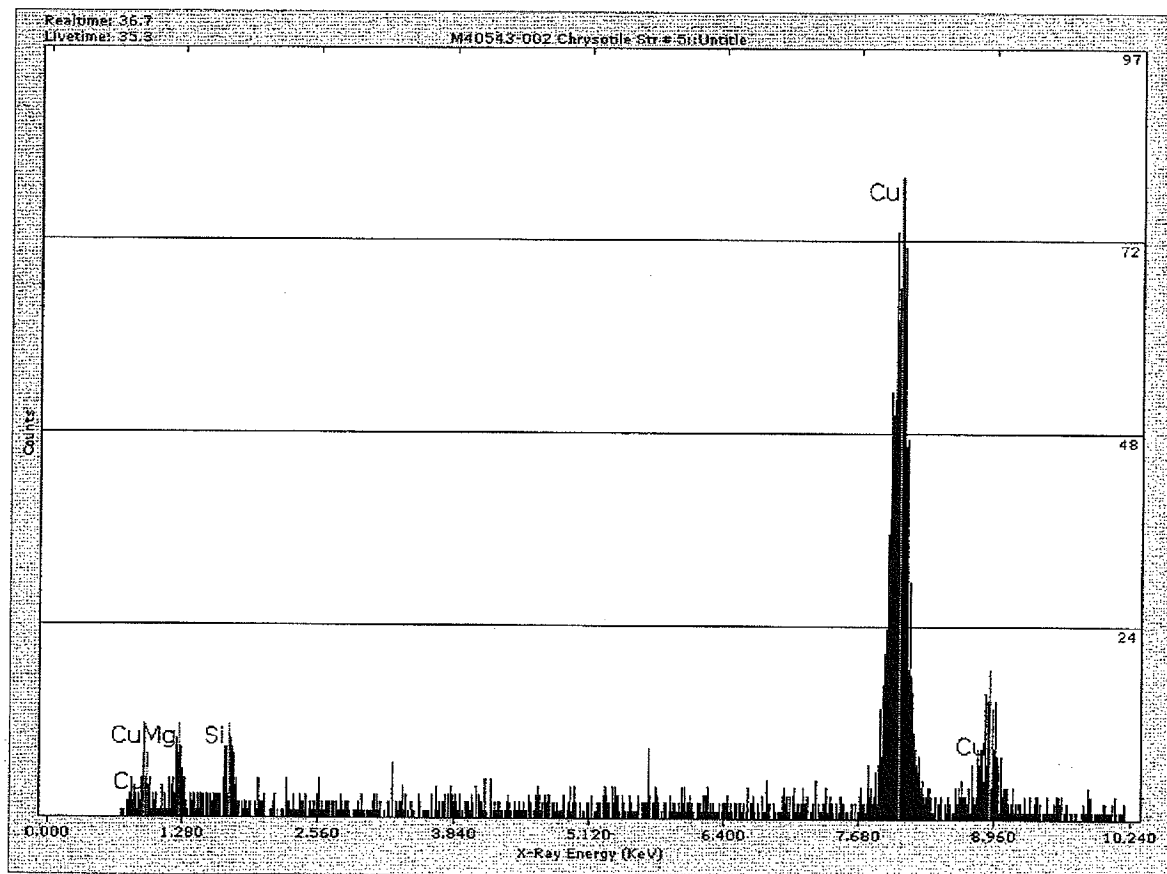
C - Chrysotile NSD - No Structure Detected
 TR - Tremolite F - Fiber
 CR - Crocidolite B - Bundle
 AN - Anthophyllite M - Matrix
 AC - Actinolite C - Cluster

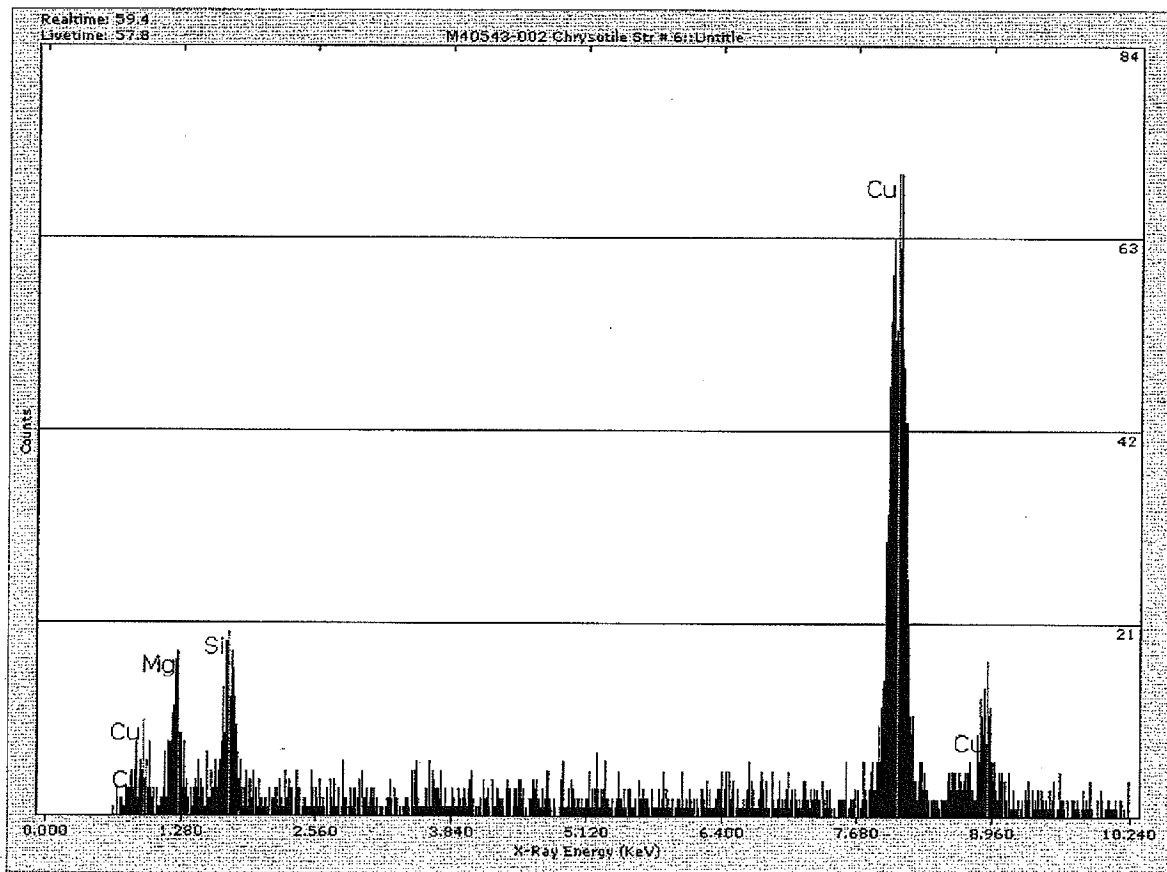


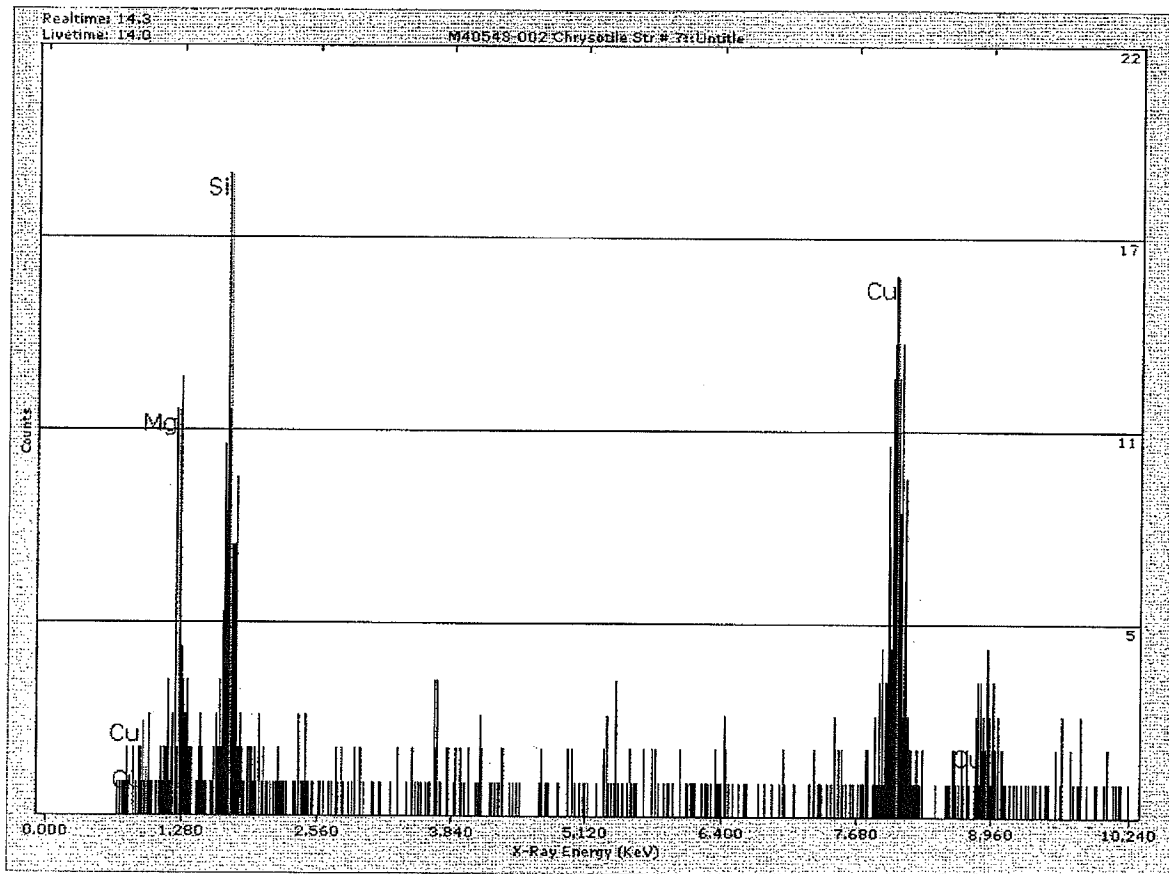


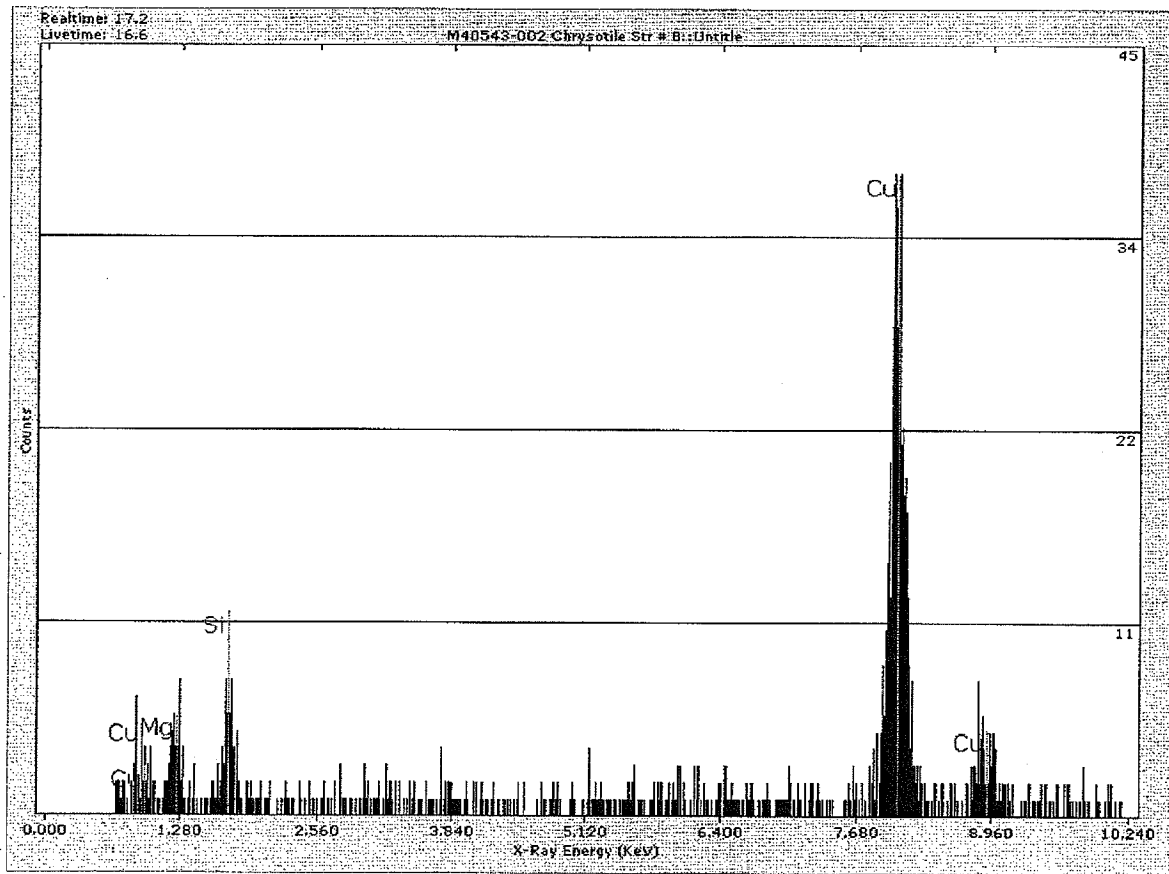


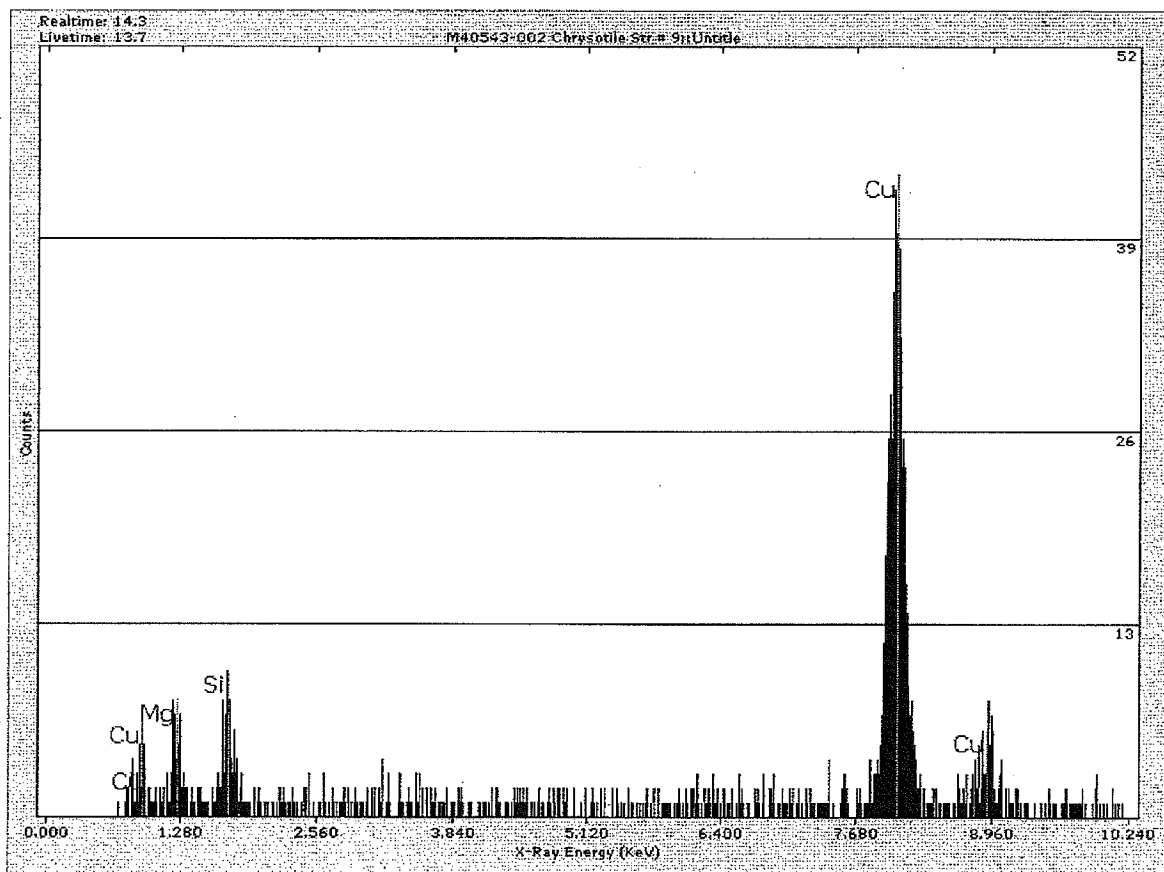


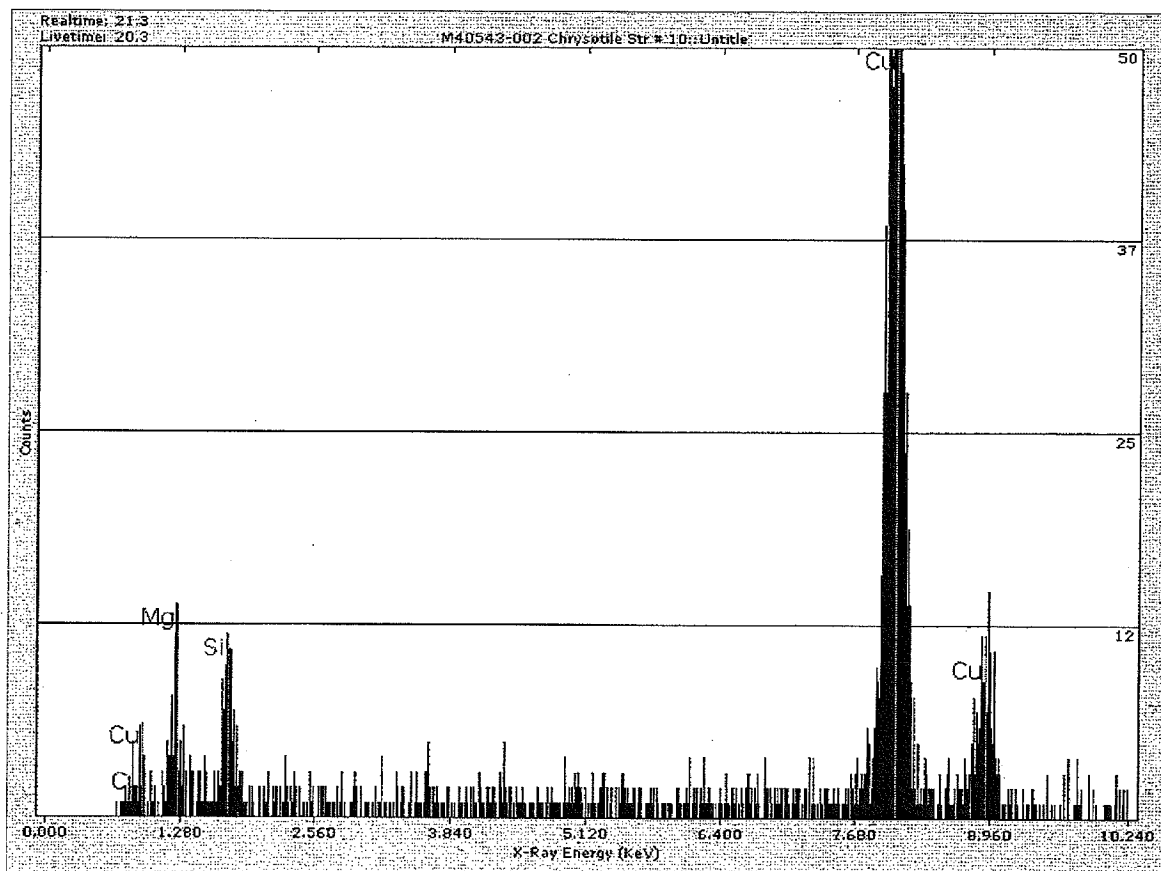


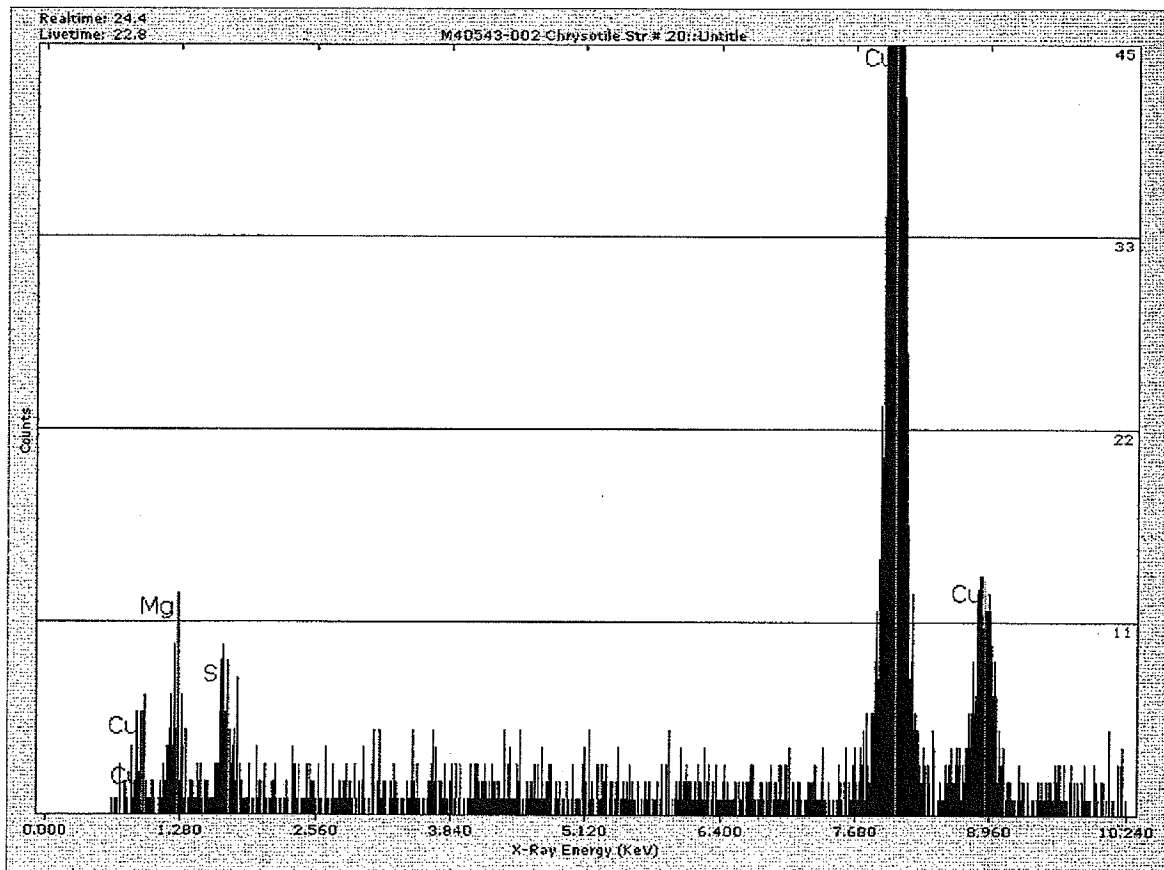


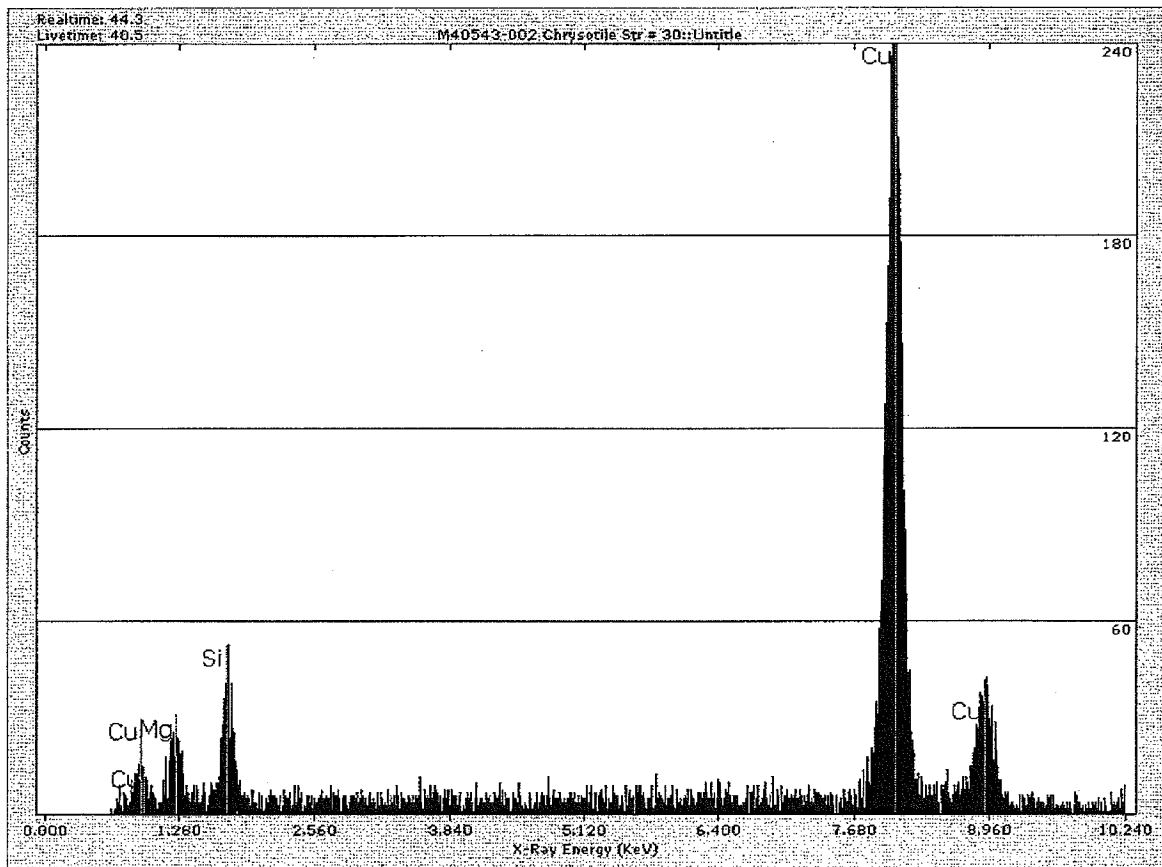


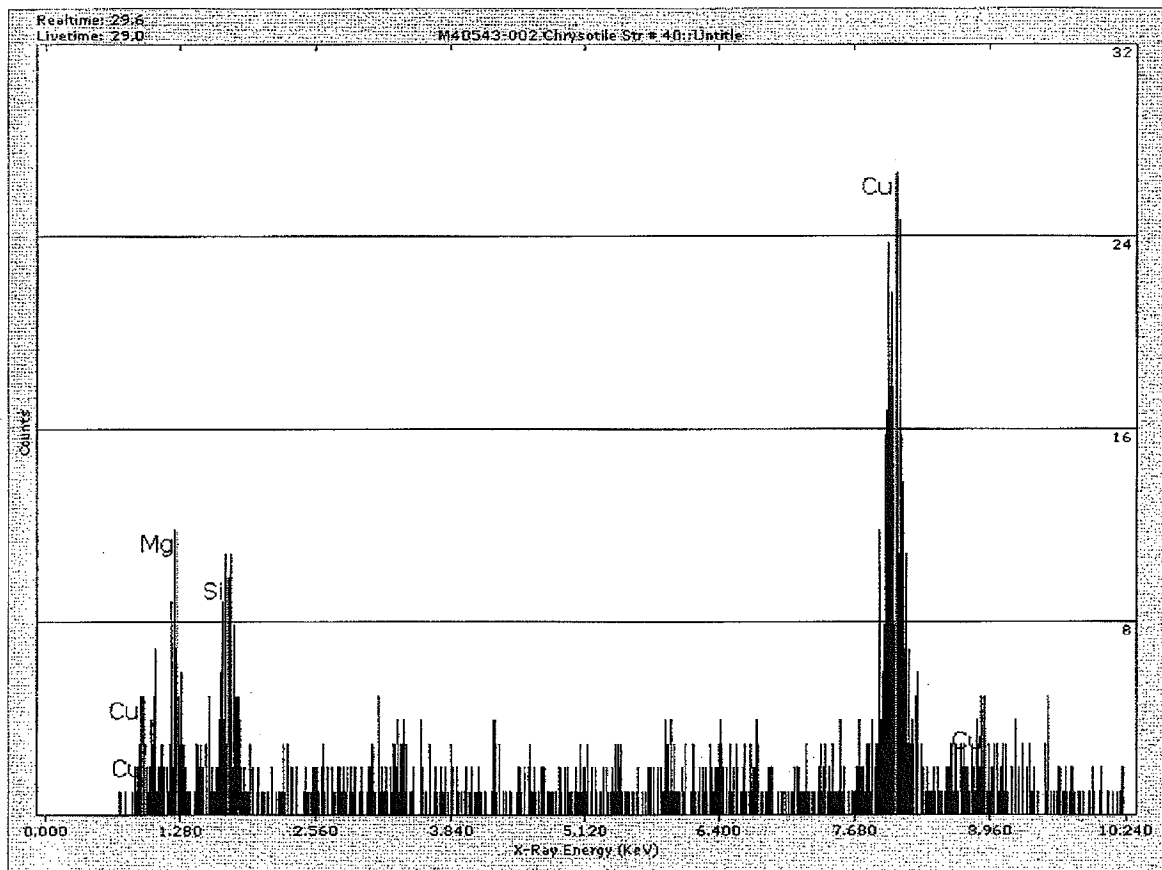


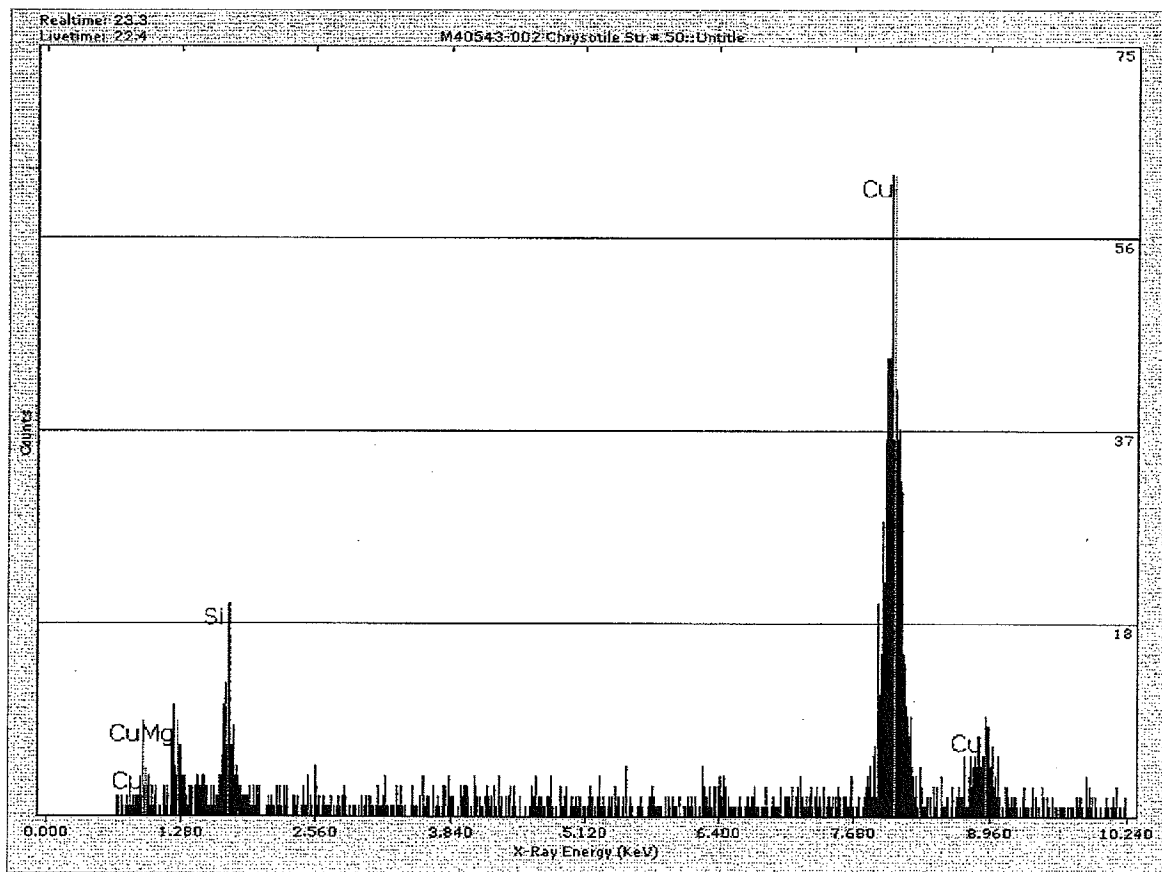












TEM DUST ANALYSIS M40543 003

Dies and Hile, LLP
Settled Dust Samples

Client Sample ID: ASHAdmin2

Sample Area/ Volume: 100 cm2

Filter Type: MCE 47mm

Pore size: 0.45

Effective Filter Area: 1297

Sample type: Dust

Analysis type: Dust

Grid Acceptance YES 15 %

Date Analyzed: 10/3/2006

Analyst: MAM

Scope Number: 4

Accelerating Voltage: 100 KV

Indicated Mag: 25 KX

Screen Mag: 20 KX

Grid_box: 7184, 7169, 7181, 7185

Str < 5um: 27
Str ≥ 5um: 7
Total Str: 34

Number of grids: 2 #1: 100 #3: 102
Number of openings: 10 #2: 103 #4: 102

Average Grid Size: 0.010352
Total Area Analyzed: 0.104

Volume Filtered 10 ml

Dilution Factor 10

Str / sq ft 3.958E+07

Str / cm2 4.260E+04

Str / sq ft ≥ 5 8.148E+06

Str / cm2 ≥ 5 8.770E+03

Str#:	SquareID:	Type:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:
1	CI0-E3	C	M-F	4.00	0.05	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2		C	M-F	3.70	0.10	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3		C	F	5.60	0.10	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4		C	F	3.70	0.05	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5		C	F	2.00	0.10	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	H4	C	F	1.40	0.05	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7		C	M-F	2.30	0.05	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8		C	F	4.00	0.05	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9		C	F	0.70	0.05	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	D4	C	M-F	2.90	0.05	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11		C	F	0.90	0.10	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12		C	F	2.00	0.10	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13		C	F	6.00	0.10	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

C - Chrysotile

TR - Tremolite

CR - Crocidolite

AN - Anthophyllite

AC - Actinolite

NSD - No Structure Detected

F - Fiber

B - Bundle

M - Matrix

C - Cluster

Str#:	SquareID:	Type:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:
14	D7	C	M-F	1.50	0.05	X			<input type="checkbox"/>	<input type="checkbox"/>
15		C	F	1.60	0.05	X			<input type="checkbox"/>	<input type="checkbox"/>
16		C	F	0.70	0.10	X			<input type="checkbox"/>	<input type="checkbox"/>
17	C8	C	M-F	2.00	0.01	X			<input type="checkbox"/>	<input type="checkbox"/>
18		C	M-F	10.00	0.05	X			<input type="checkbox"/>	<input type="checkbox"/>
19		C	M-F	9.00	0.10	X			<input type="checkbox"/>	<input type="checkbox"/>
20		C	F	2.00	0.10	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21		C	F	1.70	0.10	X			<input type="checkbox"/>	<input type="checkbox"/>
22	C9-14	C	F	1.00	0.10	X			<input type="checkbox"/>	<input type="checkbox"/>
23		C	F	2.50	0.10	X			<input type="checkbox"/>	<input type="checkbox"/>
24	H6	C	M-F	1.30	0.05	X			<input type="checkbox"/>	<input type="checkbox"/>
25		C	M-F	1.50	0.10	X			<input type="checkbox"/>	<input type="checkbox"/>
26		C	F	6.00	0.10	X			<input type="checkbox"/>	<input type="checkbox"/>
27		C	F	9.00	0.10	X			<input type="checkbox"/>	<input type="checkbox"/>
28	F9	C	F	4.00	0.10	X			<input type="checkbox"/>	<input type="checkbox"/>
29	C3	C	F	2.00	0.10	X			<input type="checkbox"/>	<input type="checkbox"/>
30		C	M-F	1.80	0.05	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
31		C	F	4.50	0.10	X			<input type="checkbox"/>	<input type="checkbox"/>
32	B6	C	M-F	2.40	0.10	X			<input type="checkbox"/>	<input type="checkbox"/>
33		C	M-F	6.40	0.10	X			<input type="checkbox"/>	<input type="checkbox"/>
34		C	F	0.70	0.10	X			<input type="checkbox"/>	<input type="checkbox"/>

C - Chrysotile
 TR - Tremolite
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Str#:	Square/D:	Type:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:
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C - Chrysotile	NSD - No Structure Detected
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